

ILLEGIB

Approved For Release 2001/06/09 : CIA-RDP78T05439A000400230092-5

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~~TOP SECRET RUFF~~
~~NO FOREIGN DISSEM~~TCS - 10908/64
IB - 440/64
18 December 1964
Copy # 1HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

25X1A

ATTENTION : [REDACTED]

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, Photographic Intelligence Division, CIA

SUBJECT : Rail Study of Communist China

REFERENCES : (1) ORR Requirement No. C-RR4-81,487
(2) CIA/PID Project No. C 1023/64

1. This memorandum is in response to the referenced requirement concerning a rail study of Communist China on the areas covered by AMS Map Sheets NL 52 and NL 53. This study is designed primarily for the purpose of determining the extent of new rail construction since 1960.

2. The study was based on information obtained from the following missions:

25X1D

Declass Review by NIMA/DOD

GROUP 1
Excluded from automatic
downgrading and
declassification

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~~NO FOREIGN DISSEM~~HANDLE VIA
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CONTROL SYSTEM ONLY

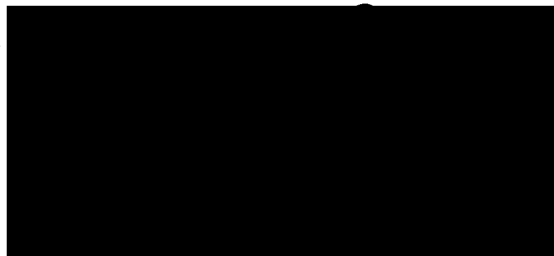
5-15195

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CONTROL SYSTEM ONLY**TCS - 10908/64
Page 2

3. All rail lines observed on the above referenced missions are plotted on the enclosed annotated overlays (CIA/PID/IB-P-1492/64 and CIA/PID/IB-P-1496/64). The lack of complete and adequate photo cover together with poor map detail precluded the possibility of plotting all logging or lumbering rail lines. It must be noted that the rail facilities at Ha-erh-pin (45 45N - 129 40E), Mu-tan-chiang (44 37N - 129 35E), and Chia-mu-ssu (46 47N - 130 10E) contain large classification and freight yards as well as major railroad repair shops.

25X1A

4. The photo analyst assigned to this requirement was [REDACTED] who may be contacted on extension 2547 should there be any further questions regarding this study. This requirement is considered complete as of the date of this memorandum.

**Enclosures:**

- 2 - Maps, w/overlays
(CIA/PID/IB-P-1492/64
CIA/PID/IB-P-1496/64)

25X1A

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TOP SECRET RUFF NOFORN

EDITION 2-AMS

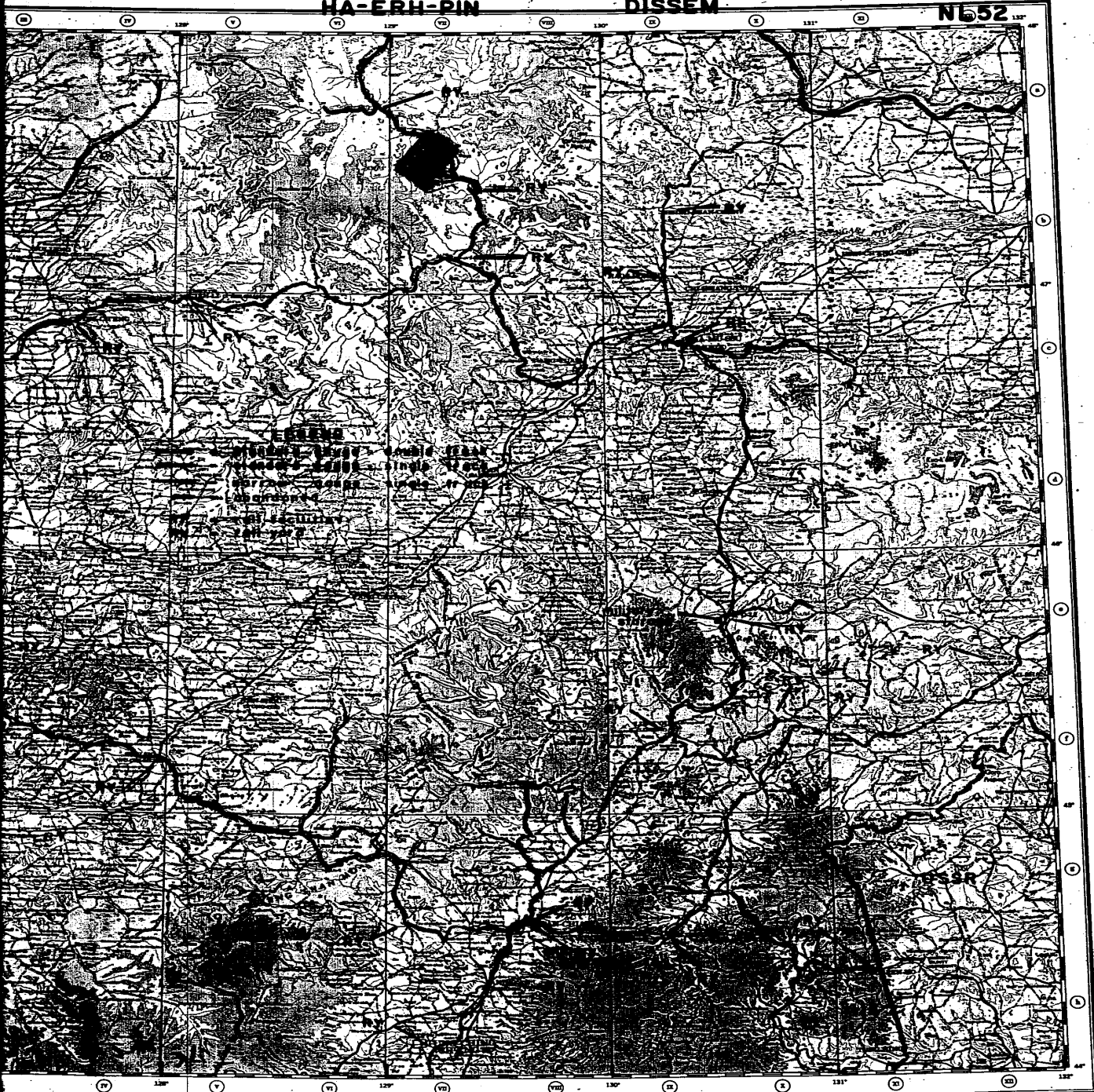
TCS 10908/64

IB 440/64 NL 52

HA-ERH-PIN

DISSEM

N652



TOP SECRET RUFF NOFORN

CIA/PID/IB P 1496/64

DISSEM



MODIFIED POLYCONIC PROJECTION OF THE INTERNATIONAL MAP OF THE WORLD
ALL HEIGHTS ARE REFERRED TO MEAN SEA LEVEL

UNLESS OTHERWISE NOTED, ALL DISTANCES ARE IN METERS AND FEET. DISTANCES IN METERS ARE GIVEN FIRST, FOLLOWED BY FEET IN PARENTHESES.

HEIGHTS IN METERS

RELIABILITY DIAGRAM

INDEX TO ADJOINING SHEETS

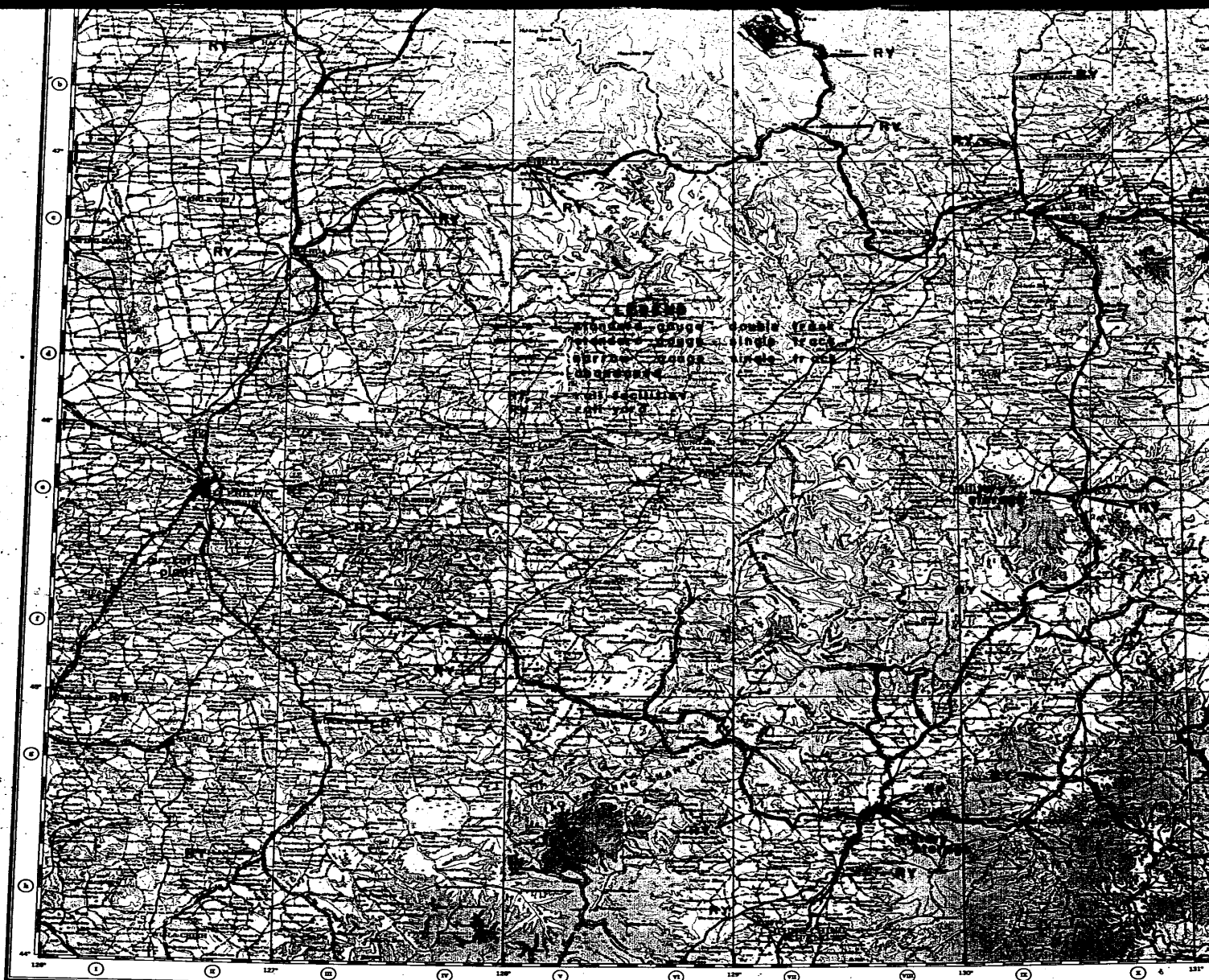
INDEX TO BOUNDARIES

METERS GRADIENT TINTS FEET

HA-ERH-PIN (HARBIN)
MU-TAN-CHIANG
HU-LAM

5-16195

15-195



AMS 1301
Edition 5-59
Prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C.
Compiled in 1952 from: Manchuria, 1:250,000, AMS, 1950-51. Names processed in accordance with rules of the U. S. Board on Geographic Names.
Names for unestablished populated places are omitted where information is not available or where density of detail does not permit their inclusion.



TOP SECRET RUEF NOEORN
DISSEM
MODIFIED POLYCONIC PROJECTION OF THE INTERNATIONAL MAP OF THE WORLD
ALL HEIGHTS ARE REFERRED TO MEAN SEA LEVEL.

CIA/PID/1

POPULATED PLACES

China	U.S.S.R.
500,000 or over	100,000 or over
100,000 to 500,000	50,000 to 100,000
20,000 to 100,000	10,000 to 50,000
2,000 to 20,000	2,000 to 10,000
Less than 2,000	Less than 2,000

RAILROADS

Normal or broad gauge: Station
Narrow or meter gauge: Station

BOUNDARIES

International: Marker

First class administrative

Horizontal control point

Astronomic position

Spot elevation: Highest on sheet

Isolated building or feature

Located object: Ruins

Lighthouse: Mine

Telephone or telegraph line

Power transmission line

Salt evaporator

LEGEND

Regional Importance

1st importance

2nd importance

3rd importance

4th importance

5th importance

6th importance

7th importance

8th importance

9th importance

10th importance

11th importance

12th importance

13th importance

14th importance

15th importance

16th importance

17th importance

18th importance

19th importance

20th importance

HA-ERH-PIN (HARBIN)

MU-TAN-CHANG

MU-LAN

MU-LAN

MU-LAN

MU-LAN

MU-LAN

MU-LAN

MU-LAN

MU-LAN

MU-LAN

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HEIGHTS IN METERS

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EXPLANATORY

RAILROADS

China

Normal gauge 4'8 1/2" (12

U.S.S.R.

Normal gauge 5'7 1/2" (524

Normal gauge should be referred

to

BOUNDARIES

China

First class administrative

U.S.S.R.

First class administrative

Second class administrative

Third class administrative

Fourth class administrative

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

GLOSSARY

China

Normal gauge 4'8 1/2" (12

U.S.S.R.

Normal gauge 5'7 1/2" (524

Normal gauge should be referred

to

BOUNDARIES

China

First class administrative

U.S.S.R.

First class administrative

Second class administrative

Third class administrative

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

U.S.S.R. Republics

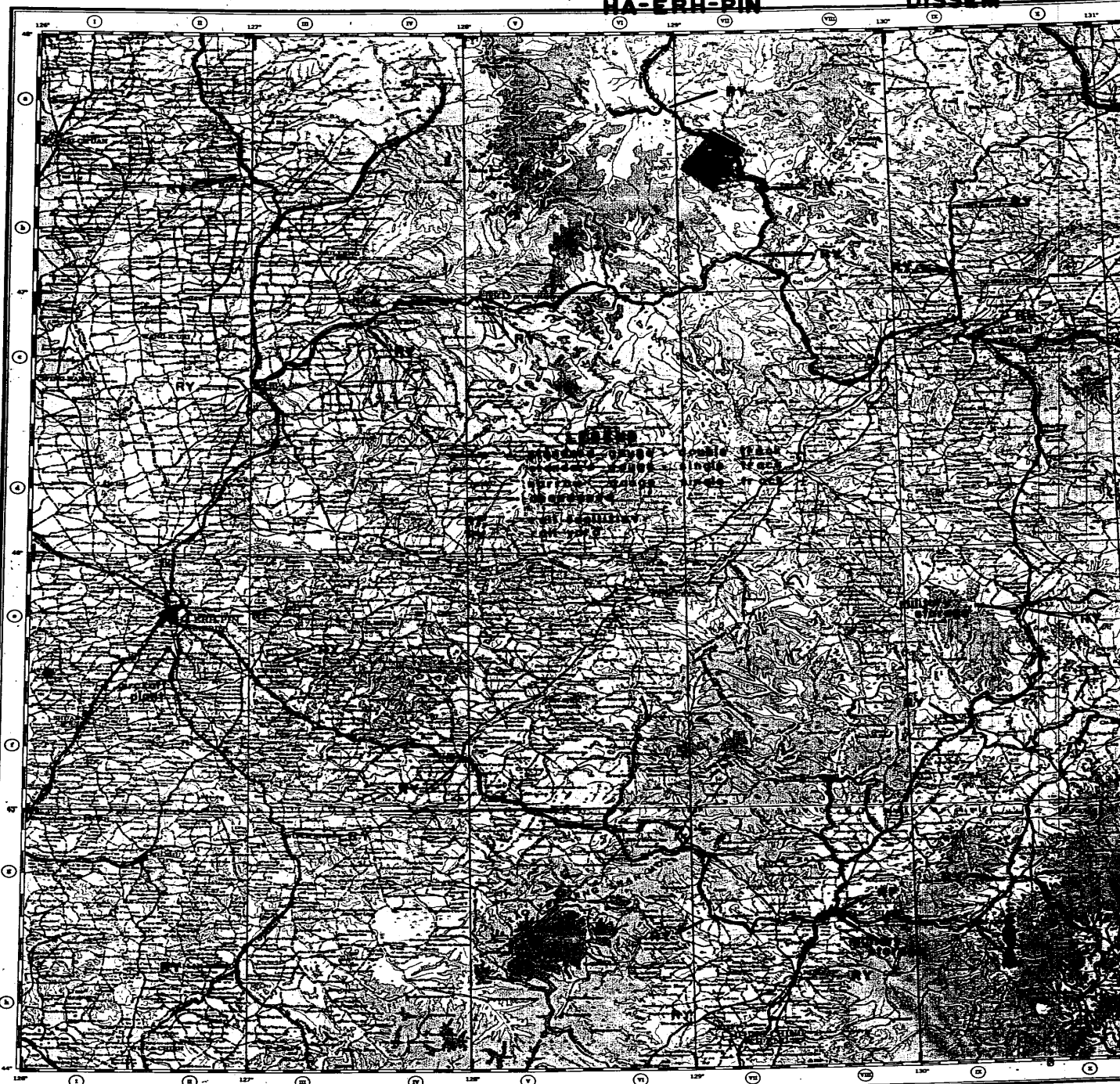
WORLD 1:1,000,000 (ASIA)

5-15195

TOP SECRET RUFF NOFORN
HA-ERH-PIN

EDITION 2-AMS

DISSEM



AMS 1301
Edition 2-AMS

Prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C.
Compiled in 1952 from Harbin, 1:500,000, AMS, 1950-51. Names processed in accordance with rules of the U. S. Board on Geographic Names.
Names for unpopulated places are omitted where information is not available or where density of detail does not permit their inclusion.

POPULATED PLACES

China	U.S.S.R.
500,000 or over	100,000 or over
100,000 to 500,000	50,000 to 100,000
20,000 to 100,000	10,000 to 50,000
2,000 to 20,000	2,000 to 10,000
	Less than 2,000

LEGEND

Regional Importance

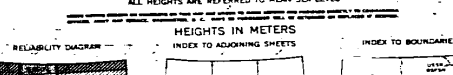
1st Importance	HA-ERH-PIN (HARBIN)
2nd Importance	MU-TAN-CHIANG
3rd Importance	HE-LAN
4th Importance	CHANG-SHUN
5th Importance	CHANG-SHUN

TOP SECRET RUFF NOFORN
DISSEM

CIA/P



MODIFIED POLYCONIC PROJECTION OF THE INTERNATIONAL MAP OF THE WORLD
ALL HEIGHTS ARE REFERRED TO MEAN SEA LEVEL



RELIABILITY DIAGRAM

HEIGHTS IN METERS

INDEX TO ADJOINING SHEETS

INDEX TO BOUNDARIES

TOP SECRET RUFF NOFORN
SPASSK-DAL'NIY
SPASSK-DAL'NIY

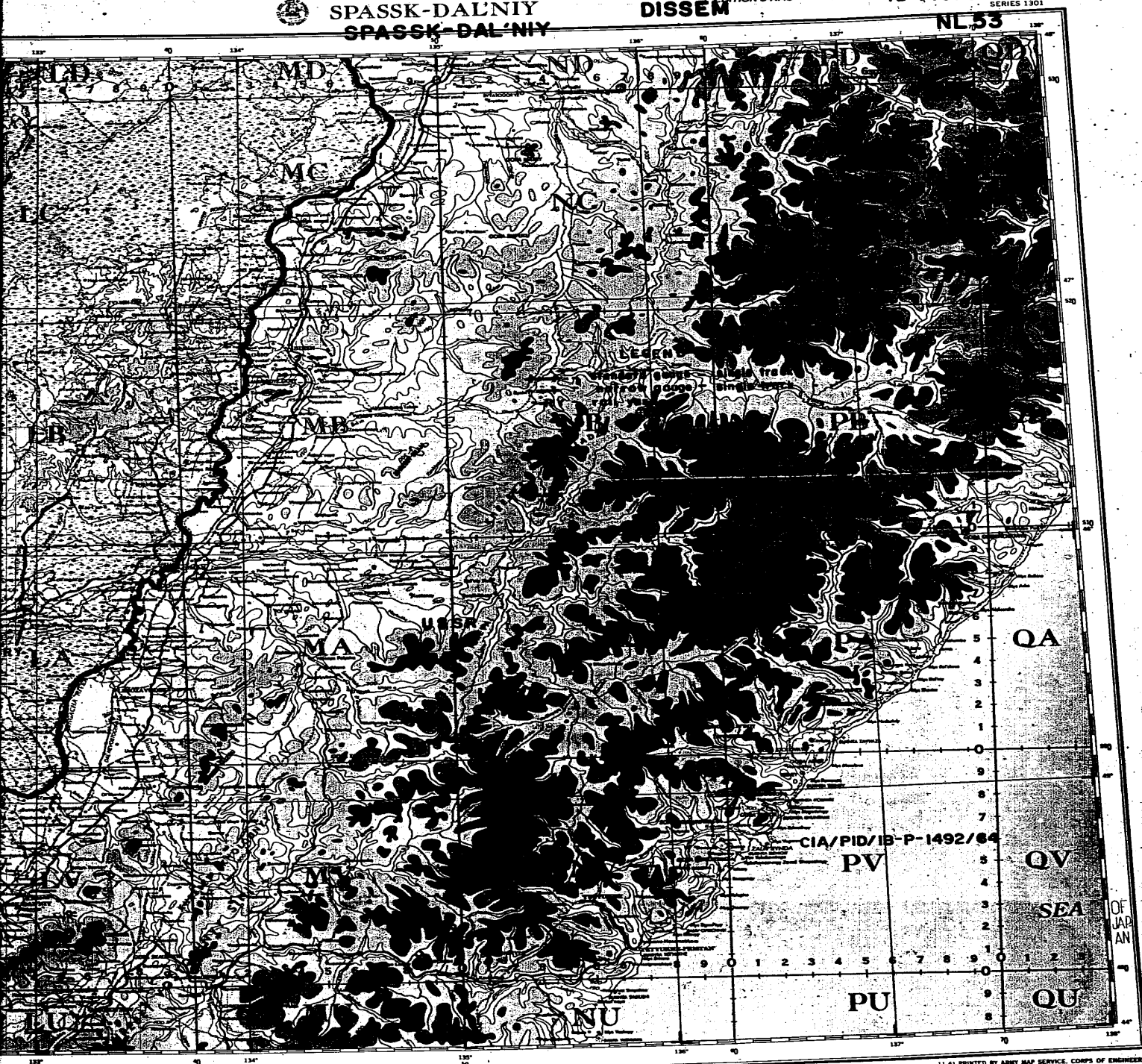
DISSEM

5-15195

TCS 10908/64

IB 440/64 NL 53
 SERIES 1301

NL 53



Scale 1:1,000,000

Washington, D.C. Computer in 1963 from World
 Map, 1:1,250,000, Chief Administration of Geography and
 702, 1957. Based on 1958 data compiled from USSR
 maps 1:2 and 1:50,000. Scale for symbolized populated
 parts of area does not permit their inclusion.

TOP SECRET RUFF NOFORN

DISSEM

NEW DATE INFORMATION									
CLASSIFICATION									
SP	LC	MC	NC	PC	DC	PC	DC	PC	DC
SP	LC	MC	NC	PC	DC	PC	DC	PC	DC
SP	LC	MC	NC	PC	DC	PC	DC	PC	DC

1. Do not change classification on this map unless authorized by the original source.
 2. Update last VERTICAL, and then to LEFT of grid and following source from top to bottom, using 10,000 meter scale.

11-61 PRINTED BY ARMY MAP SERVICE, CORPS OF ENGINEERS

